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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/764,968	01/26/2004	Chang Chia-Chen	A3-269 US	9329
23683	7590	01/13/2005		
MOLEX INCORPORATED 2222 WELLINGTON COURT LISLE, IL 60532			EXAMINER GILMAN, ALEXANDER	
			ART UNIT	PAPER NUMBER
			2833	

DATE MAILED: 01/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/764,968

Applicant(s)

CHIA-CHEN, CHANG

Examiner

Alexander D Gilman

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 January 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 and 10-12 is/are rejected.
- 7) ☒ Claim(s) 8, 9, 13 and 14 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

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DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-7, 10-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Takamori et al in view of Reichardt et al.

With regard to claims 1, 7, 10, 11, Takamori et al (US 6,648,694) disclose a connector comprising:

an insulative housing (30) having a rear terminal-mounting section at the rear of the cavity, and at least one longitudinal side wall section (32) extending forwardly from one end of the rear section at one side of the cavity, the housing having a bottom surface for mounting on a circuit board;

a plurality of terminals (50) mounted on the rear terminal-mounting section of the housing and having contact portions for engaging appropriate contacts on the memory card;

a pair of switch terminals (54, 55) mounted on the side wall section of the housing, one switch terminal having an elastic contact arm (54b) which may be engageable by the memory card received in the cavity and movable into engagement with a contact arm of the other switch terminal;

complementary interengaging mounting means (Fig. 7, portion with barbs) between at least one of the switch terminals and said longitudinal side wall section of the housing and including a body portion of the at least one switch terminal engaged in a retaining slot in the side wall section, and said at least one switch terminal having a soldering tab (Fig 7) projecting from a bottom edge of the body portion for solder connection to the circuit board.

Takamori et al do not disclose a locking tab projecting from the body portion against a locking shoulder on the side wall section in the slot to prevent the body portion from pulling out of the slot;

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Reichardt et al disclose (Fig. 14, 15) a locking tab (46) projecting from the body portion against a locking shoulder on the side wall section in the slot

Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to provide switch with a locking tab projecting from the body portion, as taught by Reichardt et al , to dependably secure the switch terminals in the housing.

With regard to claim 2, Takamori et al when modified by Reichardt et al disclose that both of said switch terminals have body portions engaged in retaining slots in the at least one side wall section of the housing.

With regard to claim 3, Takamori et al when modified by Reichardt et al disclose (Reichardt et al) that both of said switch terminals (6, 7) have soldering tabs (44, 64) projecting from bottom edges of the body portions.

With regard to claim 4, Takamori et al when modified by Reichardt et al disclose (Takamori et al) that the contact arms of both switch terminals (54,55)are elastic.

With regard to claims 5, 6, Takamori et al when modified by Reichardt et al disclose (Reichardt et al) that said switch terminals are stamped and formed of sheet metal material, and said locking tab (Fig. 14, 15, 19, 20 is stamped and bent out of an opening in the body portion to define a locking edge engageable with the locking shoulder on the at least one side wall section.and said locking tab is bent out of the plane of the body portion to define said locking edge engageable with the locking shoulder.

With regard to claim 12, Takamori et al when modified by Reichardt et al disclose (Takamori et al) that the elastic contact arm of said first switch terminal has a distal end (54a) engageable by the memory card and movable into engagement with the contact arm of said second switch terminal (55).

Allowable Subject Matter

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Claims 8, 9, 13, 14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

No prior art has been found to anticipate or render obvious the presently claimed subject matter. Specifically, none of the prior art of record discloses the combination of the limitations presented including the elastic contact arm of said one switch terminal being at one end thereof adjacent said longitudinal side wall section of the housing, and including a second elastic contact arm at an opposite end of the one switch terminal adjacent the rear terminal-mounting section of the housing for engaging a third switch terminal in response to insertion of the memory card into the cavity.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander D Gilman whose telephone number is 571 272-2004. The examiner can normally be reached on Monday-Friday, 10:30 a.m. - 8:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on 571 272-2800 ext. 33. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

01/05/2004



ALEXANDER GILMAN
PRIMARY EXAMINER